SEQUENCE LISTING

<110> Abbott Laboratories
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      Henkin, Jack
      Kalvin, Douglas M.
      Bradley, Michael F.

<120> N-ALKYLATED PEPTIDES HAVING
   ANTIANGIOGENIC ACTIVITY

<130> 6632.US.O2

<140> Not Yet Assigned
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<150> US 60/166,924
<151> 1999-11-22

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<220>
<223> Antiangiogenetic Peptide

<221> VARIANT
<222> (1)...(1)
<223> Xaa = N-methylprolyl at position 1

<221> VARIANT
<222> (2)...(2)
<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Nva, N-(R3)Pro,
      B-Ala, Asn, 4-ClPheAla, 4-CNPheAla, Gln, Glu, Gly,
      4-OHPro, 4-MePheAla, Pro, Ser, or Thr at position
      2

<221> VARIANT
<222> (3)...(3)
<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Leu,
      N-(R3)PheAla, Ala, Asn, Asp, 3-CNPheAla,
      4-CNPheAla, Gln, Gly, Leu, Lys(Ac), 4-MePheAla,
      Nva, Pro, and PheAla as position 3

<221> VARIANT
<222> (4)...(4)

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<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)HpheAla,
      N-(R3)Ile, N-(R3)Leu, N-(R3)Nva, N-(R3)PheAla,
      N-(R3)Ser, N-(R3)Tyr, N-(R3)Val, Ala, AlloIle,
      Allylgly, 2-Ambut, Asn, Asp at position 4

<221> VARIANT
<222> (4)...(4)
<223> Xaa = 5-BrThiAla, 3-ClPheAla, 4-ClPheAla,
      3-CNPheAla, Cha, 3,4-diOMe-PheAla, 3-FpheAla,
      4-FpheAla, Gln, Gly, His, HpheAla, Hser, Ile, Leu,
      Lys(Ac), Met, Met(O2), 4-MePheAla at position 4

<221> VARIANT
<222> (4)...(4)
<223> Xaa =  1-Nal, 2-Nal, Nor, Nva, PheAla, PheGly,
      Pro, 3-PyrAla, 4-ThzAla, 2-ThiAla, Ser, Ser(Bzl),
      StyAla, Trp, Tyr, Val at position 4

<221> VARIANT
<222> (5)...(5)
<223> Xaa = AlloIle, Chg, Gly, Ile at position 5

<221> VARIANT
<222> (6)...(6)
<223> Xaa = N-(R3)Asp, N-(R3)Glu, N-(R3)Gly, N-(R3)Ser,
      N-(R3)Thr, N-(R3)Thr(Bzl), N-(R3)Tyr, Ala,
      AlloThr, Allylgly, Asn, Asp, Gln, Gly, His, Hser,
      4-OHMePheAla, Ile, Lys(Ac) at position 6

<221> VARIANT
<222> (6)...(6)
<223> Xaa = Met, 2-Nal, Nva, Octylgly, Pro,3-PyrAla,
      Ser, Thr, Trp, Tyr, Tyr(Me) at position 6

<221> VARIANT
<222> (7)...(7)
<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Ile, N-(R3)Leu,
      N-(R3)Nle, N-(R3)Nva, N-(R3)Ser, N-(R3)Thr,
      N-(R3)Val, Ala, AlloThr, Allylgly, 4-AmdPheAla,
      2-Ambut, Arg, Asn at position 7

<221> VARIANT
<222> (7)...(7)
<223> Xaa = Cha, Gln, Gly, Hala, Hser, 4-OHPro, Leu,
      Lys(Ac), Met(O2),  Met(O),  Met, Nle, Nva,
      Octylgly, Orn(Isp), PheAla, ProGly, Ser, Thr, Trp,
      Tyr, and Val at position 7

<221> VARIANT
<222> (8)...(8)
<223> N-(R3)Ala, N-(R3)Ile, N-(R3)Leu, Ala, AlloIle,
      Allylgly, Cit, Gly, Ile, Leu, Lys(Ac), Met, 1-Nal,
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Nva, Pro, and Val at position 8

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<221> VARIANT
<222> (9)...(9)
<223> Xaa = N-(R3)Arg, 4-AmIspCha, 4-AmIspPheAla,
      Arg(diethyl), Arg, Cit, Gln, 4-GuPheAla, His,
      Harg, Lys(Isp), Lys(Nic), Lys, Nor, Orn, Orn(Im),
      Orn(Isp), and 3-PyrAla at position 9

<221> VARIANT
<222> (10)...(10)
<223> Xaa = N-(R3)Ala, N-(R3)Gly, N-(R3)Hala, N-(R3)Nva,
      2-Ambut, 2-Amisobut, dePro, 4-OHPro, PheAla, Pro,
      and Tic at position 10

<221> VARIANT
<222> (11)...(11)
<223> Xaa = AlaNH2, AlaNH-ethyl, AzaGlyNH2, GlyNH2,
      GlyNH-ethyl, Lys(Ac), SarNH2, and SerNH2 at
      position 11

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